Europäisches Patentamt
European Patent Office
Office européen des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 77 66 45

Classification of the application (IPC):
C12N 5/00*, *C12N 5/077*, *A61K 35/34*, *G01N 33/50

Technical fields searched (IPC):
C12N

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	**PETTIT G R ET AL**: "Antineoplastic agents. 291. Isolation and synthesis of combretastatins A-4, A-5, and A-6" *JOURNAL OF MEDICINAL AND PHARMACEUTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, US*, 01 January 1995 (1995-01-01), vol. 38, no. 10, DOI: 10.1021/JM00010A011, pages 1666-1672, XP002203198 2-methoxy-5-((Z)-2-(3,4,5-trimethoxyphenyl)vinyl)phenol * abstract * * See second figure on page 2-methoxy-5-((Z)-2-(3,4,5-trimethoxyphenyl)vinyl)phenol;page 1666, column 2, paragraph 1 *	1
X,D	WO 9216486 A1 (ASTON MOLECULES LTD [GB]) 01 October 1992 (1992-10-01) * page 1, line 10 - line 24; example 1 *	1
X	EP 1460067 A1 (TAKEDA CHEMICAL INDUSTRIES LTD [JP]) 22 September 2004 (2004-09-22) * Compound 554 2-(2-(4-chlorophenyl)ethyl)-6-(2-furyl)-1H-imidazo[4,5-b]pyridine(Current compound 5);paragraph [0924]; example 554; table 67 *	1
X	**Anonymous**: "2068-78-2, Vincristine sulfate, CAS No 2068-78-2 Vincristine sulfate id", 02 October 2011 (2011-10-02), pages 1-1 URL: http://www.chemnet.com/cas/id/2068-78-2/Vincristine-sulfate.html [retrieved on 27 October 2021 (2021-10-27)] XP055855398 * See drawing = current compound 3(2'beta)-22-oxovincaleukoblastine;page 1 *	1
X,D	WO 2012002527 A (ASHKA PHARMACEUTICAL COMPANY LTD) 05 January 2012 (2012-01-05) * abstract *	1
X,D	WO 2006094235 A1 (SIRTRIS PHARMACEUTICALS INC [US]; MILBURN MICHAEL [US] ET AL.) 08 September 2006 (2006-09-08) * 2'-(4-aminophenyl)-lH,l'H-2,5'-bibenzimidazo1-5-amineCompound 83 = Current compound Example 8, page 2;page 176 *	1

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	28 October 2021	Bretherick, James

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document
T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons
& : member of the same patent family, corresponding document

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.

EP 3 778 869 A4

© 2020 org.epo.publication.kb xsl stylesheet v1.0.1SRnfp

Europäisches Patentamt
European Patent Office
Office européen des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 77 66 45

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2012029012 A1 (LEE YOUNG B [US] ET AL) 02 February 2012 (2012-02-02) * 3-(3-methoxyphenyl)-N<7>,N<7>-dimethylisoquinoline-1,7-diamine hydrochloride Current compound Example 6 page 2;paragraph [0074] - paragraph [0078]; compound 13 *	1
X	**BAXTER A. J. G. ET AL**: "ChemInform Abstract: Discovery and Synthesis of Methyl 2,5-Dimethyl-4-(2-(phenylmethyl) benzoyl)-1H-pyrrole-3-carboxylate (FPL 64176) and Analogues: The First Examples of a New Class of Calcium Channel Activator." *CHEMINFORM*, 08 March 1994 (1994-03-08), vol. 25, no. 10, pages no-no URL: https://pubs.acs.org/doi/pdf/10.1021/jm00071a004 , ISSN: 0931-7597, XP055855508 * Chart I, Schemes I-IIICurrent compound Example 7;page 2739 - page 2740 *	1
X	**BIRD S D ET AL**: "The human adult cardiomyocyte phenotype" *CARDIOVASCULAR RESEARCH, OXFORD UNIVERSITY PRESS, GB*, 01 May 2003 (2003-05-01), vol. 58, no. 2, DOI: 10.1016/S0008-6363(03)00253-0, ISSN: 0008-6363, pages 423-434, XP002568320 * the whole document *	3

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	28 October 2021	Bretherick, James

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document
T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons

& : member of the same patent family, corresponding document

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.

EP 3 778 869 A4

© 2020 org.epo.publication.kb xsl stylesheet v1.0.1SRnfp

Europäisches Patentamt
European Patent Office
Office européen des brevets

ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 77 66 45

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 28-10-2021
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9216486 A1	01-10-1992	AU 1371992 A	21-10-1992
		WO 9216486 A1	01-10-1992
EP 1460067 A1	22-09-2004	AU 2002349477 A1	10-06-2003
		EP 1460067 A1	22-09-2004
		US 2005101647 A1	12-05-2005
		WO 03045929 A1	05-06-2003
WO 2012002527 A	05-01-2012	----------	
WO 2006094235 A1	08-09-2006	AU 2006218403 A1	08-09-2006
		CA 2599987 A1	08-09-2006
		EP 1853590 A1	14-11-2007
		US 2009143376 A1	04-06-2009
		WO 2006094235 A1	08-09-2006
US 2012029012 A1	02-02-2012	AU 2007322068 A1	29-05-2008
		AU 2012203232 A1	21-06-2012
		BR PI0718841 A2	04-02-2014
		CA 2669083 A1	29-05-2008
		CN 101573337 A	04-11-2009
		CN 102532020 A	04-07-2012
		EP 2099765 A2	16-09-2009
		EP 2423196 A1	29-02-2012
		ES 2392361 T3	10-12-2012
		IL 198571 A	28-02-2013
		JP 5270564 B2	21-08-2013
		JP 5668092 B2	12-02-2015
		JP 2010510217 A	02-04-2010
		JP 2013151546 A	08-08-2013
		KR 20090098821 A	17-09-2009
		PL 2099765 T3	31-01-2013
		US 2008182871 A1	31-07-2008
		US 2012029012 A1	02-02-2012
		WO 2008063548 A2	29-05-2008

EP 3 778 869 A4

© 2020 org.epo.publication.kb xsl stylesheet v1.0.1SRnfp

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.